

Title (en)

Apparatus and method for reception of optical signal

Title (de)

Vorrichtung und Verfahren zum Empfang eines Lichtsignals

Title (fr)

Dispositif et méthode pour la réception d'un signal optique

Publication

EP 0911998 A3 20030820 (EN)

Application

EP 98106258 A 19980406

Priority

JP 28698297 A 19971020

Abstract (en)

[origin: EP0911998A2] An optical signal receiving apparatus capable of substantially instantaneously and stably discriminating the logic from the header of a burst-like optical signal comprising a pre-amplifier circuit for amplifying an output from a photodiode receiving cell signals, a dummy side variable gain amplifying unit for performing the gain control by feedback control with respect to the output from the pre-amplifier circuit and outputting the gain at that time as gain information, a memory unit for holding the gain information, and a signal side variable gain amplifying unit for performing the gain control by feedforward control by using the gain set by the gain information and outputting the amplified signal. <IMAGE>

IPC 1-7

H04B 10/158

IPC 8 full level

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CPC (source: EP US)

H04B 10/6931 (2013.01 - EP US)

Citation (search report)

- [A] WO 9613923 A1 19960509 - NOKIA TELECOMMUNICATIONS OY [FI], et al
- [A] US 5382920 A 19950117 - JUNG REINHOLD [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 215 (E - 1204) 20 May 1992 (1992-05-20)

Cited by

EP1500216A4; EP1381175A1

Designated contracting state (EPC)

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EP 0911998 A2 19990428; **EP 0911998 A3 20030820**; **EP 0911998 B1 20050629**; DE 69830696 D1 20050804; DE 69830696 T2 20060504; JP 3979712 B2 20070919; JP H11122188 A 19990430; US 6169619 B1 20010102

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